# Practical Usage of ABAP Query – Display of Vendor Open Items with PO Info



# **Applies to:**

SAP ECC6.0. The configuration can also be held as reference for R/3 470 release and 46C release. For more information, visit the <u>Business Process Expert homepage</u>.

# **Summary**

ABAP Query helps in quick generation of report. This can be easily used by the functional consultants having fair idea about the tables used in SAP.

Author: Sridevi Pattabiraman

Company: Infosys Technologies Limited

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#### **Author Bio**

Sridevi Pattabiraman is working as an FICO consultant with Infosys Technologies, Chennai. She has completed her Masters in Business administration and Computer applications

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# Scope

The aim of this guide is not to explain the procedure for creating an ABAP query, but to explain a very practical scenario which can be easily accomplished with the help of this ready-made made tool. Also, it describes the steps for assigning a transaction code to an ABAP Query

# **Prerequisites**

As mentioned in the scope, this article will not aim at explaining the steps of creating a query. Hence it is advisable if the user of the article has prior exposure to the basics of ABAP query – i.e. Creation of user groups, infosets etc.

# **Practical Example**

It is quite common requirement that for a vendor invoice, we need to know the corresponding PO associated. Though Purchase order history tab can help in getting the facts, it has its own limitations of viewing it by PO wise i.e. one PO at a time.

In this guide, steps for achieving the above said scenario with the help of ABAP guery is illustrated.

#### Requirement

To display Vendor Open Items with Purchase Order Information.

### **Selection Screen Parameters**

Company Code

Vendor number

Document Type (This is done to easily filter those financial documents that are based on PO)

Posting Date

#### Fields required in the Output

Company code

Vendor Number & name

FI document number

Document type

Purchase Order Number

Document date

Posting Date

Amount in LC

Amount in document currency

**Payment Terms** 

Payment Block

Assignment

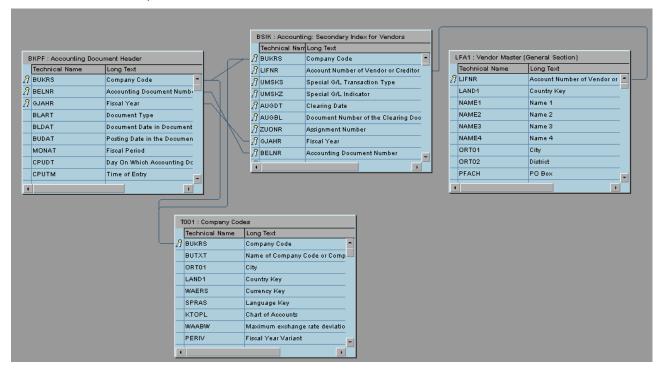
Reference

#### Infosets

Transaction Code: SQ02

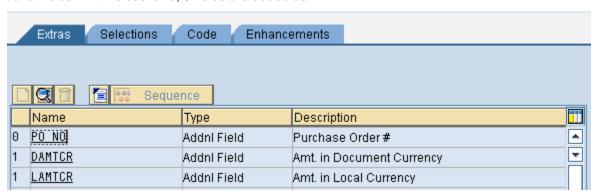
Create an Infoset as described below -

#### Tables and Relationships

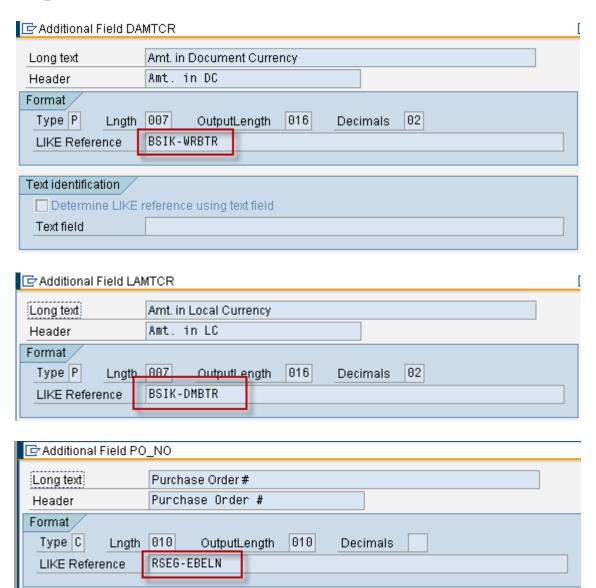


#### Additional Fields

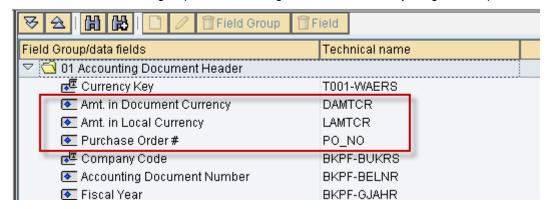
Any fields that need to be displayed apart from the fields that are linked through tables are added as 'additional fields'. In this scenario, 3 fields are added as –



- 1. **DAMTCR:** Amount in Document currency: This is required for showing the value of WRBTR in negative, if the value is a credit figure
- 2. **LAMTCR:** Amount in Local currency: This is required for showing the value of DMBTR in negative, if the value is a credit figure
- 3. PO\_NO: Purchase Order Info



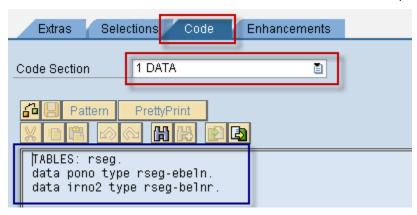
Add the 'Additional Fields' as field groups to Accounting document header by drag and drop.



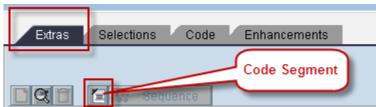
#### **Extras**

'Extras' is used to fetch data from SAP tables through simple ABAP code.

1. In the 'Code' tab, and for the Code section – 'Data' declare all the variables required.



2. The logic required for the additional fields are entered through the code segment available in the 'Extras' tab



 Select the PO\_NO in the 'Extras' tab and click the code segment. The first 10 characters of BKPF-AWKEY (Reference key) hold the material document number (BELNR). Hence the logic required are keyed here.

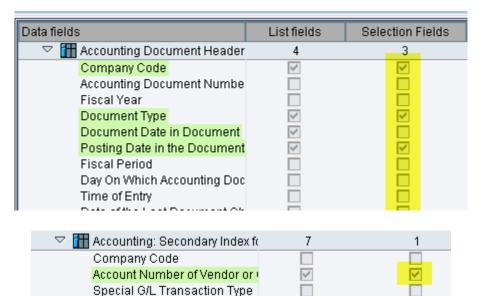
4. Select DAMTCR in the 'Extras' tab and select the code segment. This is for showing the value in negative in case of credit balance.

5. Select LAMTCR in the 'Extras' tab and select the code segment. This is for showing the value in negative in case of credit balance.

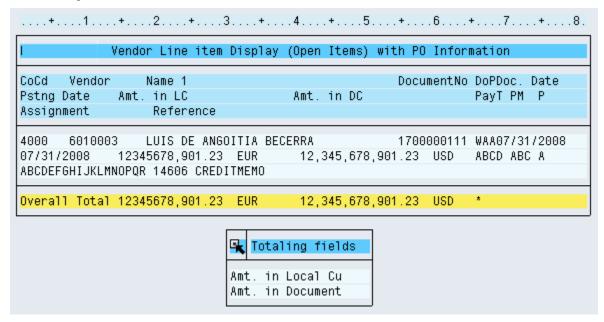
#### Query

Transaction code: SQ01

For the fields that are required to be displayed in the selection screen are to be *checked* under selection fields.

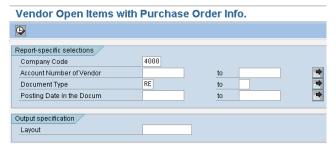


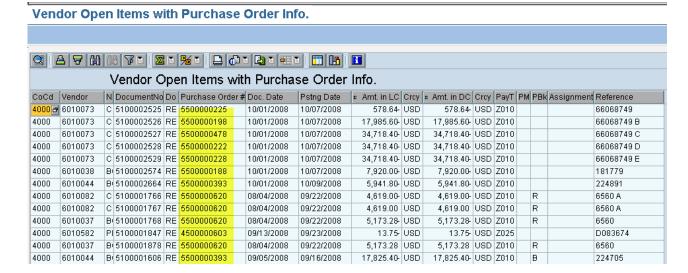
Similarly, all the fields required in the output are to be *checked* under the 'List fields'. The order and format are set on the right side.



#### Sample Selection Screen

Based on the value checked in 'Selection Fields', the fields will get displayed in the selection screen. In the variant screen pop-up leave it blank and enter the number of records to be displayed as desired.



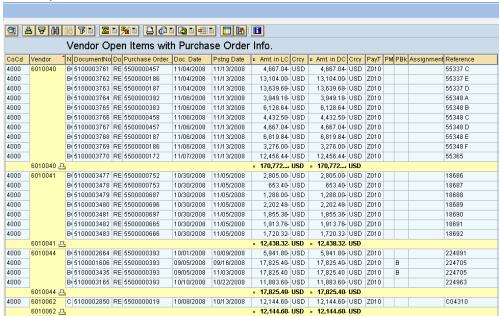


The main advantage of using ABAP query is that standard features available in SAP report will be available.



For example, using subtotal will display the report as below.

Vendor Open Items with Purchase Order Info.



# **Related Content**

http://help.sap.com/saphelp\_45b/helpdata/EN/35/26b413afab52b9e10000009b38f974/content.htm

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